

Experiment Number: 487993  
Test Type: Genetic Toxicology - Micronucleus  
Route: Intraperitoneal Injection  
Species/Strain: Mouse/B6C3F1

**G04: In Vivo Micronucleus Summary Data**

Test Compound: Reserpine  
CAS Number: 50-55-5

Date Report Requested: 09/19/2018  
Time Report Requested: 17:21:56

**NTP Study Number:** 487993  
**Study Duration:** 72 Hours  
**Study Methodology:** Slide Scoring  
**Male Study Result:** Negative

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Tissue: Blood; Sex: Male; Number of Treatments: 3; Time interval between final treatment and cell sampling: 24 h

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		MN PCE/1000		% PCE	
Dose (mg/kg)	N	Mean ± SEM	p-Value	Mean ± SEM	
Vehicle Control <sup>1</sup>	5	4.70 ± 0.56		3.76 ± 0.44	
0.5	4	4.38 ± 0.63	0.6262	3.03 ± 0.41	
1.0	5	3.80 ± 0.64	0.8360	3.14 ± 0.26	
Trend p-Value		0.8350			
Positive Control <sup>2</sup>	5	7.90 ± 1.54	0.0021 *	3.24 ± 0.28	

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Trial Summary: Negative

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Tissue: Bone marrow; Sex: Male; Number of Treatments: 3; Time interval between final treatment and cell sampling: 24 h

		MN PCE/1000		% PCE
Dose (mg/kg)	N	Mean ± SEM	p-Value	Mean ± SEM
Vehicle Control <sup>1</sup>	5	2.30 ± 0.25		55.90 ± 2.15
0.25	5	3.00 ± 0.47	0.1678	54.90 ± 1.87
0.5	4	1.25 ± 0.52	0.9491	47.50 ± 1.40
1.0	5	1.90 ± 0.66	0.7317	55.70 ± 1.87
Trend p-Value		0.8840		
Positive Control <sup>2</sup>	5	3.80 ± 0.41	0.0272 *	60.60 ± 5.61

Trial Summary: Negative

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LEGEND

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MN = micronucleated, PCE = polychromatic erythrocyte, NCE = normochromatic erythrocyte

CAS Number = Chemical Abstracts Service registry number

N = Number of subjects

Values given as Mean or Mean  $\pm$  Standard Error Mean

Results were tabulated as the mean of the pooled results from all animals within a treatment group, plus or minus the standard error of the mean

Pairwise comparison to the concurrent control, dosed groups significant at  $p = 0.025/\text{number of treatment groups}$ ; positive control value is significant at  $p = 0.05$

Cochran-Armitage trend test, significant at  $p = 0.025$

\* Statistically significant pairwise or trend test

1: Vehicle Control: Phosphate Buffered Saline

2: 0.2 mg/kg Mitomycin-C

**\*\* END OF REPORT \*\***